

AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph beginning at page 3, line 9, as follows:

Another object is to provide polling functionality in packet-based data communication systems that ~~result~~ results in a reduction in latency but not at the expense of increased battery time and/or interference.

Please amend the paragraph beginning at page 3, line 15, as follows:

Briefly, ~~the present invention comprises a method of polling that separates the pre-reservation of~~ a shared uplink resource from presence check polling by providing two different types of polling from the base station system. The first type allows the targeted user equipment to transmit user data packets if the user equipment has any packets available for transmission, otherwise the user equipment can remain silent in response to a poll from the base station system. The second type of polling requires the targeted user equipment to transmit user data packets if any are available or transmit dummy data packets if user data packets are not available in order to signal its presence on the pre-reserved resource on the uplink in response to the issued polling, thereby making it possible to monitor the quality of and to maintain the pre-reserved link/channel.

Please delete the paragraph beginning at page 4, which starts with:

The invention, together with...

Please amend the paragraph beginning at page 4, line 11, as follows:

Fig. 2 illustrates a flow diagram over a polling method ~~according to the invention~~ for a base station subsystem,

Please amend the paragraph beginning at page 4, line 13, as follows:

Fig. 3 illustrates a flow diagram over a polling method ~~according to the invention~~ for a user equipment,

Please amend the paragraph beginning at page 4, line 15, as follows:

Fig. 4 illustrates a polling procedure according to an example embodiment ~~of the invention~~,

Please amend the paragraph beginning at page 4, line 17, as follows:

Fig. 5 is a block diagram of a base station system ~~according to the invention~~,

Please amend the paragraph beginning at page 4, line 21, as follows:

Fig. 7 is a block diagram of a user equipment ~~according to the invention~~.

Please amend the paragraph beginning at page 4, line 26, as follows:

Fig. 1 is a schematic illustration of a general data communications system 10 comprising a plurality of user ~~equipment~~ equipments 30 connected to a base station subsystem 20. The base station subsystem 20~~[[,]]~~ comprises a plurality of base station system nodes such as either a plurality of stand-alone base stations 21 (as in e.g. W-LAN), or a plurality of base stations 21 in combination with additional nodes e.g. a packet control unit PCU and a base station controller BSC (as in e.g. GSM/GPRS/EDGE) or a radio network controller RNC (as in e.g. W-CDMA).

Please amend the paragraphs beginning at page 5, lines 4 and 10, as follows:

The ~~invention will be~~ technology is discussed in the context of a GPRS/EDGE data communication system~~[[,]]. it is however implied that the same discussion~~ But the technology can also be applied to other packet-based radio systems with shared resources such as ~~W-DCMA~~ W-CDMA and W-LAN networks, or EGPRS, GPRS/EDGE, and CDMA2000. ~~Since the present invention only~~ technology relates to the actual polling procedure in a communication system, all other functions are assumed to be performed according to common knowledge and are thus not further explained.

Please amend the paragraphs beginning at page 5, lines 14 and 24 as follows:

Fig. 2 is a schematic flow diagram of a method in a base station system 20 ~~according to the invention~~. In step S1, the base station system 20 determines which type of polling to perform. This is typically achieved by analyzing the radio traffic situation ~~by means of~~ using an analyzing unit 23 or by looking up information concerning the various connected user ~~equipment~~ equipments in some optional register and by analyzing earlier transmissions. Then the base station system 20 performs polling according to a first type T1 in step S2 or a complementary second type T2 in step S4, by transmitting type one T1 polling or type two T2 polling to a target user equipment 30. Alternatively, the method according to Fig. 2 can comprise an additional step of performing polling according to at least a third type.